

Name: \_\_\_\_\_ ( 7 )

## Writing mathematical story (directed numbers)

### INSTRUCTIONS:

- ◆ Read the rubrics below carefully. They tell you how to achieve full marks.
- ◆ Write a short story about you and your friends related to directed numbers. At each stage, you should calculate the new values (positive or negative) in respect to each person.
- ◆ Remember, this is graded by the math rubric. There is no requirement as to length. A short story (less than 1 page) which fulfills the rubric will score as well as a longer story.
- ◆

### Criterion A: KNOWLEDGE AND UNDERSTANDING

Achievement level	Task Specific Rubric
0	The student does not reach a standard described by any of the descriptors given below.
1–2 <b>Simple</b>	The story and its math are very simple.
3–4 <b>Complex</b>	The story and its math are more complex. You should add or subtract positives and negatives.
5–6 <b>Challenging</b>	The story and its math are challenging. You should demonstrate your knowledge of multiplying positives and negatives.
7–8 <b>Unfamiliar</b>	The story and its math includes a situation where at least one person has a negative value which makes sense in the context of the story.

### Criterion C: COMMUNICATION IN MATHEMATICS

Achievement level	Task Specific Rubric
0	The student does not reach a standard described by any of the descriptors given below.
1–2	The story is difficult to follow.
3–4	The story is clear. It includes simple expressions such as plus, minus, difference, times, divide, square
5–6	The story is clear and uses sophisticated expression such as <ul style="list-style-type: none"><li>• subtracting a positive</li><li>• adding a negative</li><li>• multiplying these two negatives gives me a positive</li></ul>